

December 6, 2016

Subject: California Five Year Infrastructure Plan

Reporting Period: October - December, 2016

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Recommended Action:

For information only – no action required.

Background:

SGC's Infrastructure Working Group (IWG) was established in 2013 as a body to respond to the mandate in the Council's establishing legislation: "At a minimum, the council shall review and comment on the five-year infrastructure plan". The IWG is made up of senior staff representing the Governor's Office of Planning and Research, and four California state agencies: State Transportation, Natural Resources, Environmental Protection, and Government Operations.

Governor Brown's Executive Order B-30-15 on Climate directs state agencies to implement greenhouse gas emissions reduction programs that support a mid-term greenhouse gas emissions reduction target of 40% below 1990 levels by 2030 and to incorporate climate change into all planning and investment. It directs agencies to account for current and future climate change impacts in every infrastructure project included in the State's Five-Year Infrastructure Plan. AB 1482 was enacted in October, 2015, adding the Safeguarding California Plan to the suite of objectives for which the Council is directed to identify and review state agencies' activities and funding programs that may be coordinated.

The IWG was requested by the Governor's Office to partner with the Department of Finance (DOF) in the development of the Five-Year Infrastructure Plan. The objective of this partnership was to convey how each state agency is operationalizing Executive Order B-30-15 when planning for or investing in infrastructure. The IWG has partnered with Governor's Office of Planning and Research's EO B-30-15 Technical Advisory Group (TAG), serving on the TAG and managing its working group on Built Infrastructure, which includes prioritizing natural infrastructure solutions.

Update:

SGC's IWG has submitted information to DOF to include into the 2017 Five-Year Infrastructure Plan. This year's plan will provide an overview of the State's adaptation efforts, and an updated statement from each agency discussing how they are incorporating the directives of the Executive Order into their Capital Outlay plans and investments. The IWG has also collected information from these agencies about the programs, policies and processes in use to advance adaptation within their departments.

Additionally, departments s proposing new Capital Outlay projects for funding in 2017 for standalone buildings (on existing and/or new sites) are completing a Sustainability and Adaptation

questionnaire developed by the Working Group to articulate how climate adaptation strategies have been integrated into planning their infrastructure projects. Departments that have not requested new projects for standalone buildings will complete a questionnaire for one alternate project (e.g., a renovation project or infrastructure upgrades, etc.) proposed for funding in 2017-18.

A few other items that the IWG is engaged in:

- We have begun to work with departments that are updating statewide plans to share information that conveys the priorities included in the Governor's order.
- Met with the Treasurer's Office, the Department of Finance and the I-Bank to learn about their infrastructure investment activities, to understand their work can support the state's goals around climate mitigation and adaptation, and to look for ways to support advancing climate goals into guidelines, thresholds and policies.
- Statewide Planning and Investment: The IWG is working with agencies and departments to better convey the executive order in state planning documents. Recently, they met with Caltrans and the California Transportation Commission to update information about climate change into the California Transportation Plan Guidelines and the Regional Transportation Guidelines. The IWG will continue to work with agencies and departments that are updating functional and statewide plans to promote consistency in the discussion of how to consider and increase resilience and adaptive capacity in the face of climate change.
- EO B-30-15 Built/Natural Infrastructure Sub-TAG: Understanding that the infrastructure section of the upcoming guidance document will focus on applying the principles of the documents, the Sub-Tag plans to construct the section to include the following information:
 - Develop a practical approach that focuses on the "what" rather than the "why";
 - Offer action oriented information – resources, tools, checklists, best practices, etc.;
 - Feature actionable science (metrics, scenarios, etc.), examples that illustrate how to tackle uncertainty, and checklists to help plan for climate resiliency;
 - Develop a decision tree for determining when to consider adaptation that includes a list of key factors to reflect on, such as criticality and costs;
 - Recommend actions that both mitigate carbon emissions and contributes to building resilience to the anticipated impacts of climate change;
 - Describe opportunities for integrating current efforts and future objectives at the local, regional and state level;
 - A matrix of infrastructure types, risks/exposures and state functions.
 - Provide charts to illustrate opportunities (i.e. good, better, best) for including natural infrastructure alternatives, and benefits for vulnerable populations.
 - Discuss Full Life-Cycle Cost Accounting – featuring methodologies that State departments are currently using to quantify costs throughout the lifespan of infrastructure systems and the co-benefits achieved in order to evaluate project alternatives.

